

Status Report

FY 99 Sector-Based Action Plan

A. Implement sector-based approaches within Agency Core functions

ACTION	DESCRIPTION/ RESULTS	STATUS
1. Permitting		
a. Pollution Prevention in Permitting (P4) Pilot	Demonstration of operational flexibility for a Clean Air Act (CAA), Title V permit for the pharmaceutical sector.	<p>FY99 Draft Merk P4 permit completed.</p> <p>FY00 Use of P4 flexibility will be fully integrated into OAQPS procedures for air permitting. New projects with the printing and batch chemicals sectors will be initiated. Will continue to identify other relevant sector projects based on demand and regulatory developments (i.e. MACT Standard Development). Will create air permitting infrastructure platform for technical assistance to state and local agencies.</p>
b. EPA Region 1/Massachusetts Environmental Results Program (ERP)	Testing an industrial self-certification program for several Massachusetts small business sectors (e.g., printing, photo processing, dry cleaners) to replace state issued and required permits.	<p>FY 99 Work with several small business sectors to create a self-certification program. Evaluate the ERP.</p> <p>FY 00 Continue to work with Massachusetts to potentially expand the project to other priority sectors. Continue assessment of ERP to improve compliance and</p>

ACTION	DESCRIPTION/ RESULTS	STATUS
c. Sector Based Permit Reform Projects	Development and demonstration of new sector-wide permit reform projects for selected sectors under the Sustainable Industry (SI) Program.	<p>FY 99 Initiate first of two or more sector-based permit reform projects from among SI candidate sectors.</p> <p>FY 00 Prepare strategic action plans to address priority issues. Implement permitting pilots, demonstration projects, and other activities to test new sector-wide permit approaches. Analyze process and projects for lessons learned.</p>
2. Rulemaking		
Coordinated Rulemaking	Identification of 1-3 opportunities for coordinated, multi-media rulemaking across the Agency.	<p>FY 99 The findings of the Task Force on Coordinated Rulemaking released in August 1999.</p> <p>FY 00 Agency action underway on 1-3 new multi-media rulemakings.</p>
3. Enforcement and Compliance Assurance		
a. National Sector Strategies	OECA will continue to refine and implement seven National Sector Strategies for the following sectors: Chemical Preparations, Coal Fired Utilities, Concentrated Animal Feeding Operations, Industrial Organic Chemicals, Iron and Steel, Petroleum Refining and Primary Nonferrous Metals. OECA is preparing an enforcement and compliance assurance strategy for the Metal Services Sector.	<p>FY 99 Implement the original seven sector strategies through actions being taken by OECA and the 10 Regions. Seek the cooperation and support of the State pollution control agencies to further refine and implement the strategies.</p> <p>FY 00 Continue to refine and implement the Sector Strategies in the FY 2000/2001 Memorandum of Agreement (MOA).</p>

ACTION	DESCRIPTION/ RESULTS	STATUS
b. Region 4 Publicly Owned Treatment Works (POTW) Initiative	Bring 100% of POTWs handling domestic wastewater in Region 4 into compliance with “proper operation and maintenance” provision of the Clean Water Act National Pollutant Discharge Elimination System (NPDES) permits by the year 2001. Region 4 will provide, through self audit/self disclosure policy, incentives to POTWs to reduce sanitary sewer overflows.	<p>FY 99 Thirty POTWs agreed to engaged in pilot project and perform self-audits. Continue to expand the project to other Region 4 states.</p> <p>FY 00 Continue project work.</p> <p>FY 05 POTWs serving 40% of Region 4 population will be implementing NPDES procedures.</p>
4. Solving Regional Problems		
a. Region 3 Metal Finishing Initiative	Development of a replicable model process to help metal finishers become more resource efficient and generate less waste under the Strategic Goals Program (SGP).	<p>FY 99 Initial meetings with interested stakeholders underway, marketing effort ongoing to sign up States, POTWs, and firms for SGP.</p> <p>FY 00 SGP target date for voluntary performance goals is 2002, incremental milestones will be tracked to monitor participants’ progress.</p>
b. Region 3 Watershed Initiative	Engage the glass making industry in the protection and restoration of the Brush Creek watershed in Region 3.	<p>FY 99 Form public-private partnerships to develop innovative sector-based solutions to the existing watershed problems. Marketing meeting in May 1999 to develop partnerships.</p> <p>FY 00 At this time this project is on hold.</p>
c. Region 9 Agriculture Initiative	Implement two agricultural partnerships with California’s Central Valley growers focusing on a variety of fruits and vegetables. The first partnership is focused on assisting industry to make a “reasonable transition” in implementation of the Food Quality Protection Act (FQPA). The second partnership is to promote multi-media agricultural pollution prevention.	<p>FY 99 Supporting partnerships on various agricultural commodities including grapes, rice, prunes, citrus, almonds, and walnuts.</p> <p>FY 00 By Spring 2000, Region 9 will develop one additional FQPA commodity partnership and establish an advisory team. Region 9 will be preparing crop profiles for FQPA data needs, and it will demonstrate successful farming systems that do not rely on priority FQPA materials including implementation of Integrated Pest Management (IPM) practices on raisin table grapes and wine grape acreage.</p>

ACTION	DESCRIPTION/ RESULTS	STATUS
d. Region 10 Mining Initiative	Work with three Region 10 states (Washington, Idaho, and Oregon) to consolidate into a common database a comprehensive inventory of Inactive and Abandoned Mine Lands (AML) and establish a process for prioritizing site investigation and cleanup projects.	FY 99 Working draft AML database available for each state. FY 00 By December 1999, working list of priorities, as well as some data on the mine site inventories will be available. Continue to improve and revise lists and priorities. After priority setting complete, begin site cleanups.
5. Building Voluntary Partnerships		
a. Sustainable Industry (SI) Program	Continuation and expansion of EPA's sector "incubation and scoping" program, achieving tangible effects in the more mature sectors currently under development, and achieving process and product outcomes in the relatively new sectors under development.	FY 99 Continue ongoing work with 6 sectors including metal finishing, chemical manufacturing, photoprocessing, metal foundries and die casting, food processing, and tourism and recreation. FY 00 Continue the progress of the six sectors in SI, bringing them through the analytical phase to pilot project development. Seek to expand the analytical phase of the program to additional industry sectors in the coming year.
b. National Metal Finishing Goals Program	Nationwide implementation and achievement of the Strategic Goals Program (SGP) by 2002. The SGP was launched in January 1998. The SGP is a model for a performance-based stewardship with an industry sector. It establishes voluntary "better than compliance" facility performance targets for metal finishers and the SGP has a comprehensive, stakeholder-backed Action Plan to provide incentives, create tools, and remove barriers to the accomplishment of these goals.	FY 99 Expand SGP throughout the year, adding more participating facilities, states, and localities, establishing state and local SGPs in more locations around the country. FY 00 Continue to expand SGP operations nationally, seeking to identify regional areas that can concentrate program activities. FY 02 SGP Complete. Set up a long-term maintenance version of the program in the Agency.

ACTION	DESCRIPTION/ RESULTS	STATUS
c. Design for the Environment (DfE) Flexible Foam Furniture and Sleep Products Industries Project	Provide a methodology that will help the flexible foam furniture industry to make better and informed choices on alternative, less toxic adhesive formulations. DfE's tool for this evaluation is the Cleaner Technologies Substitutes Assessment (CTSA) methodology. The CTSA evaluates and compares the performance, cost and health and environmental impacts of the various formulations and technologies. This analysis includes an exposure and risk assessment to the workers and the surrounding community.	FY 99 Create and maintain a project stakeholder group, and begin identification and selection of less toxic adhesive materials. FY 00 Conduct two conferences to demonstrate availability of alternative materials and manufacturing technologies. By June 2000 compile a comparative analysis of these materials/technologies.
6. Research		
a. Metal Finishing R&D Plan	Development of improved methods for verifying performance of pollution prevention technologies and characterization of emissions and risks to workers and community.	FY 99 Several projects underway including verification testing of pollution prevention technologies, and development of facility risk characterizations screening tool. FY 00 Field testing of the risk screening tool and pollution prevention technologies will continue.
b. Science to Achieve Results	Conduct research to identify innovative pollution prevention technologies and tools to improve environmental performance within a sector. Research under the Technology for a Sustainable Environment (TSE) of Science to Achieve Results (STAR) extramural research program, currently supports 17 research projects addressing solvents and super critical fluids.	FY 99 New research solicitations under TSE have been issued and a first set of research final reports will be posted in April. The TSE research was highlighted at the American Chemical Society (ACS) Green Chemistry and Engineering conference. FY 00 Disseminate research results on Web and highlight research from TSE at American Chemical Society meeting.

ACTION	DESCRIPTION/ RESULTS	STATUS
7. International Activities		
(1) Virtual Sector Guides	Dissemination of pollution prevention information via Internet The Virtual Sector Guides are interactive electronic references on characterizing sectors that pull together relevant publications and links to technical, policy, and programmatic resources from sources around the world. The Virtual Sector Guides, which are being supported under an EPA interagency agreement with the United States-Asia Environmental Partnership (US-AEP) of the US Agency for International Development, will be updated automatically through the Internet to reflect new information.	<p>FY 99 Interim pages are available for the following sectors: metal finishing, petroleum refining, printing, and computer and electronics. Interim page for the food processing industry is expected soon. Interactive sector virtual guides will be available within six months.</p> <p>FY 00 Update and maintain existing Virtual Sector Guides. Continue to explore additional sectors to create new virtual sector guides.</p>
(2) Pollution Prevention/Energy Efficiency (P2/E2) Projects	Develop targeted sector-based P2/E2 for at least two countries with candidate countries to be chosen from EPA and USAID lists of priority countries for Climate Change cooperation. OIA also is looking at opportunities for sector-based PBT-reduction efforts.	<p>FY 99 U.S.-China project agreement for a sector-based P2/E2 project was signed by Administrator Browner and her counterpart in China on April 9, 1999.</p> <p>FY00 An EPA project team is expected to initiate the project in late Fall 1999.</p>
(3) Sector-Based Policy Innovation and Evaluation	Promoting international networking, dialog, and evaluation of various tools supporting sector-based environmental protection approaches including industrial environmental performance metrics and benchmarking, and the use of Environmental Management Systems (EMSs) in public policy.	<p>FY 99 OIA and OPR have secured funding (including from USAID) to launch an eco-efficiency benchmarking project and they have initiated discussions with several candidate sectors to work with on this project.</p> <p>FY 00 EPA is planning to participate in an international conference on industrial performance metrics in December 1999.</p>

B. Build management capacity to conduct SBEP

ACTION	DESCRIPTION/ RESULTS	STATUS
1. Implement strategic management of sector-based efforts		
Develop Annual Plans	Incorporation of sector-based approach into annual program office guidance and annual plans under Government Performance Results Act (GPRA).	<p>FY 99 National Program Offices (NPO) included sector activities in year-end GPRA reporting requirements. Assist EPA Program Offices in their preparation of FY 2000 National Program Guidance.</p> <p>FY 00 NPOs (e.g., OW and OPPTS) highlighted in their FY2000 planning guidance the need to focus on specific sector activities, such as animal feeding operations and source categories for multiple Persistent, Bioaccumulative, and Toxic chemicals, for priority action. Prepare an annual report for EPA Senior Management review on the status of integrating sectors into Guidance.</p>

ACTION	DESCRIPTION/ RESULTS	STATUS
2. Create avenues to share information and analyses		
a. Sector identification in Agency activities	Creation of a mechanism to encourage use of sector identification in Agency core functions.	<p>FY 99 Training and coordination underway for Agency Regulatory Steering Committee on the use of Standard Industrial Classification (SIC)/ North American Industrial Classification System (NAICS) Codes in rulemakings. Cross Agency workgroup set up to assist in industrial classification support work.</p> <p>FY 00 Continue supporting Agency efforts to use industrial classification codes. Annual report on Agency progress in using these codes will be prepared in early 2000.</p>
b. Sector Web site	Implementation of a sector based Web site on the Internet to organize sector based information in an efficient and easy-to-use format.	<p>FY 99 Web site in operation (April 1999) www.epa.gov/sectors.</p> <p>FY00 Continue to expand Web site to acknowledge new cross Agency sector work and improve search engine capabilities.</p>
3. Expand analytical basis for sector based activities		
a. Survey analytical tools	Identify, document, and assess analytical tools useful in sector- based work. Disseminate these tools within EPA.	<p>FY 99 Internal Agency survey of existing sector-based analytical tools to be completed in Fall 1999.</p> <p>FY 00 No activity planned</p>
b. Examine coordinated rulemakings	Assessment of lessons learned from past coordinated rulemakings.	<p>FY 99 Retrospective study completed in July 1999.</p> <p>FY 00 No activity planned</p>

ACTION	DESCRIPTION/ RESULTS	STATUS
4. Conduct evaluations of sector based activities for continuous improvement		
CSI Evaluation	Evaluation of results and effects of CSI.	FY 99 Four-year independent contractor evaluation of CSI completed July 1999. FY 00 No activity planned
5. Create internal sector-based incentives for EPA staff		
Innovation Leadership Award	Establish mechanisms to recognize individual and group contributions to sector-based activities.	FY 99 Leadership in Total Quality Management and Innovation Award established, and first award presented in the Spring 1999. FY 00 Continuation of award program.

C. Craft sector-based solutions with external stakeholders

ACTION	DESCRIPTION/RESULTS	STATUS
1. NACEPT Committee on Sectors	Creation of a FACA Committee dedicated to providing advice on sector based issues.	FY 99 NACEPT Sector Committee established, conducted its first meeting on April 15-16, 1999. It held subsequent meetings on July 29th and October 13-14, 1999 in Washington, DC. FY 00 NACEPT Sector Committee will continue its operation, conducting approximately three meetings per year.

ACTION	DESCRIPTION/RESULTS	STATUS
2. Science Advisory Board (SAB) Review	Conduct workshop on the “Role of Science in Agency Reinvention Activities” to suggest ways of optimizing science in new regulatory approaches.	<p>FY 99 By end of FY 99, SAB will develop a strategy for new approaches, including sectors, for FY 2000.</p> <p>FY 00 Subsequent SAB workshops will be based on Agency needs in various sector tool development efforts.</p>
3. Industry liaisons	Assessment of value of sector liaisons and establishment of additional liaisons if appropriate.	<p>FY 99 Assessment completed and distributed in March 1999.</p> <p>FY 00 Potential identification and testing of using liaisons in 1-2 new sectors.</p>
4. Stakeholder Action Plan	The Stakeholder Action Plan was developed in consultation with the Common Sense Initiative Council and provides a list of stakeholder involvement activities and research projects being conducted by the Agency.	<p>FY 99 Implementation of the Stakeholder Action Plan underway. Created EPA Intranet site to share information and "lessons learned" about stakeholder involvement across the agency and to create new models of effective stakeholder involvement and collaborative decision-making.</p> <p>FY 00 Continue to take steps to increase the opportunities and quality of stakeholder involvement at EPA in all programs and regions.</p>

Acronyms

ACS	American Chemical Society
AML	Abandoned Mine Lands
CAA	Clean Air Act
CSI	Common Sense Initiative
CTSA	Cleaner Technologies Substitutes Assessment
DfE	Design for the Environment
ERP	Environmental Results Program
FACA	Federal Advisory Committee Act
FQPA	Food Quality Protection Act
FY	Fiscal Year
GPRA	Government Performance and Results Act (GPRA)
IPM	Integrated Pest Management
MACT	Maximum Achievable Control Technology
MOA	Memorandum of Agreement
NACEPT	National Advisory Committee on Environmental Policy and Technology
NAICS	North American Industrial Classification System
NPDES	National Pollutant Discharge Elimination System
NPO	National Program Office
OECA	Office of Enforcement and Compliance Assurance
OIA	Office of International Activities
OPPTS	Office of Prevention, Pesticides, and Toxic Substances
OPR	Office of Policy and Reinvention
OW	Office of Water
P2/E2	Pollution Prevention/Energy Efficiency
P4	Pollution Prevention in Permitting
PBT	Persistent, Bioaccumulative, and toxic (chemicals)
POTW	Publicly Owned Treatment Works
R&D	Research and Development
SAB	Science Advisory Board
SGP	Strategic Goals Program
SI	Sustainable Industry (Program)
SIC	Standard Industrial Classification
STAR	Science to Achieve Results
TSE	Technology for a Sustainable Environment (TSE)
US-AEP	United States-Asia Environmental Partnership